

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in this application:

**Listing of Claims:****Claim 1 (Currently Amended)**

A method for fabricating a functional dental element by using a three-dimensional printing technique, wherein successive layers of a flowable mass comprising a curable and nanomeric material are applied onto each other using an inkjet method, and wherein the bonding between the layers is realized by curing the curable and nanomeric material with UV light.

**Claim 2 (Currently Amended)**

A method according to claim 1, wherein the shape and dimensions of the dental element are measured in a patient while using an optical scan technique, ~~preferably a laser technique.~~

**Claim 3 (Original)**

A method according to claim 2, wherein the laser technique yields data about shape and dimensions in electronic form.

**Claim 4 (Currently Amended)**

A method according to claim 1, wherein ~~measures are taken~~ the layers are successively applied onto each other with selective curing, such that each layer adheres at desired positions to a preceding layer, and excess, non-adhering material can be removed.

**Claim 5 (Original)**

A method according to claim 4, wherein the nanomeric material consists of nanomeric, inorganic solid particles with polymerizable and/or polycondensable organic groups at their surface.

**Claim 6 (Previously Presented)**

A method according to claim 4, wherein the layers are applied using a piezo inkjet printer.

**Claim 7 (Cancelled)****Claim 8 (Previously Presented)**

A method according to claim 4, wherein a computer is used for controlling, on the basis of the data obtained upon measuring, a laser which cures the nanomeric material at specific, desired positions by irradiation.

**Claim 9 (Previously Presented)**

A method according to claim 4, wherein the dental element is exposed to a thermal post-treatment at a temperature of 60 to 150°C.

**Claim 10 (Previously Presented)**

A method according to claim 4, wherein the dental element is thermally densified at a temperature of at least 250°C.

**Claim 11 (Previously Presented)**

A method according to claim 1, wherein the dental element is additionally shaped by grinding, filing, polishing, sanding, blasting or treatment with a ball bed.

**Claim 12 (Previously Presented)**

A dental element obtainable by a method according to claim 1.

Claim 13 (New Claim)

A method according to claim 2, wherein the optical scan technique is a laser technique.